Observations of Comet b 1894 (*Gale*).

(*Communicated by Sir R. S. Ball.*)

The Comet (Gale) was again observed here on the night of June 11. The place obtained from the observations is—

G.M.T. corrected for Aberrn.	Geoc. R.A.	Geoc. Decl.
1894.	h m s	° ′ ″
June 11·49565	11 29 14·77	41 36 3·2

Comparison Star. R.A. 1894·0.	Decl. 1894·0.	Authority.	No. of Comparisons.
h m s	° ′ ″		
11 33 19·40	41 43 56·8	W.B. 11^h 602	10

From this observation, combined with those made here on May 4 and May 23, Mr. Graham obtained the following parabolic elements of the orbit:—

Per. Pass. 1894 *April* 13·53750 *Greenwich M.T.*

$\pi - \Omega$	324° 19′ 21″·92	1894·0
Ω	206 20 55·81	
i	87 3 11·22	
log q	9·9928092	

Motion direct.

The difference between the observed and calculated places on May 23 is—

	In R.A.	In Decl.
	s	′ ″
O − C	+0·12	−1·1

The Observatory, Cambridge:
1894 *June* 27.

Observations of Comet b 1894 (*Gale*) *made at the Royal Observatory, Cape of Good Hope.*

(*Communicated by David Gill, LL.D., F.R.S., H.M. Astronomer at the Cape.*)

1894.	Cape Mean Time.	Comet−Star. Δ α.	Comet−Star. Δ δ.	No. of Comps.	Observer.	Comet's App. R.A.	Log ($p \times \Delta$).	Comet's App. Dec.	Log ($p \times \Delta$).	Reduction to App. Place.		Comp. Star No.
	h m s	m s	″			h m s		° ′ ″		s	″	
Apr. 11	7 16 46·1	−0 55·79	−5 7·0	4·4	F.	3 30 27·31	9·919	−54 57 5·1	0·151*n*	−1·07	−1·9	1
12	7 46 7·1	−1 47·19	−3 42·0	12·8	F.	3 40 3·41	9·924	−54 40 13·4	0·328*n*	−1·07	−2·1	2
13	7 22 27·2	−0 29·64	+5 35·2	8·8	F.	3 49 51·57	9·910	−54 19 39·4	0·120*n*	−1·07	−2·4	3
17	7 7 5·3	−0 54·83	−2 42·3	8 8	F.	4 35 30·92	9·853	−51 55 36·6	9·654*n*	−0·99	−3·6	4
23	7 2 53·5	−0 30·02	+0 6·4	12·8	F.	5 59 19·05	9·695	−43 1 22·7	9·308*n*	−0·60	−6·4	5
24	8 4 59·6	+1 46·38	−0 8·2	12·8	F.	6 14 51·49	9·748	−40 30 14·6	0 139*n*	−0·51	−6·6	6
25	7 43 58·5	−2 24·24	−2 13·2	12·8	F.	6 29 30·01	9·691	−37 48 32·5	0·046*n*	−0·39	−7·0	7
26	8 32 43·6	+1 15·18	−1 12 3	12·8	F.	6 44 45·00	9·720	−34 39 00·0	0·316*n*	−0·29	−7·0	8
27	7 41 7·7	−2 16·16	−3 10·8	12·8	F.	6 58 41·54	9·618	−31 25 15·0	0·192*n*	−0·17	−7·1	9
28	7 40 56·1	−1 51·54	−2 2·6	12·8	F.	7 12 50·60	9·583	−27 47 49·4	0·274*n*	−0·06	−6·9	10
30	7 42 15·0	+0 28·26	−0 31·1	12·8	F.	7 39 50·45	9·518	−19 55 0·1	0·430*n*	+0·16	−6·0	11
May 1	7 50 6·4	+1 14·63	−2 34·8	12·8	F.	7 52 36·45	9·507	−15 46 27·0	0·503*n*	+0·26	−5·3	12
2	7 50 41·0	−1 14·99	−1 47·0	12·8	F.	...	9·480	...	0·560*n*	+0·37	−4·7	13
3	7 36 39·0	−1 34·18	+4 50·1	6·4	F.	...	9·415	...	0·607*n*	+0·47	−4·0	14
5	7 38 16·5	−2 22 80	−0 13·6	12·8	F.	...	9·373	...	0 693*n*	+0·66	−2·2	15

The observations were made with the filar micrometer and the 7-inch equatorial by Mr. W. H. Finlay. They are corrected for refraction.

Notes.

April 12.—Moonlight; comet bright and large; no well-defined condensation for observation.
April 24.—The comet showed a short faint tail.
May 1.—Definition extremely bad.